

Amendments to the Claims:

Claims 1-15 are amended without prejudice or disclaimer.

This listing of claims will replace all prior versions, and listings, of claims in the application.

1 (currently amended) An isolated antibody which binds to a polypeptide having at least 80% amino acid sequence identity to:

(a) the amino acid sequence shown in ~~Figure 6 (SEQ ID NO:6), Figure 7 (SEQ ID NO:7), Figure 8 (SEQ ID NO:8), Figure 9 (SEQ ID NO:9), or Figure 10 (SEQ ID NO:10);~~

(b) the amino acid sequence shown in ~~Figure 6 (SEQ ID NO:6), Figure 7 (SEQ ID NO:7), Figure 8 (SEQ ID NO:8), Figure 9 (SEQ ID NO:9), or Figure 10 (SEQ ID NO:10),~~ lacking its associated signal peptide;

(c) an amino acid sequence of the extracellular domain of the polypeptide shown in ~~Figure 6 (SEQ ID NO:6), Figure 7 (SEQ ID NO:7), Figure 8 (SEQ ID NO:8), Figure 9 (SEQ ID NO:9), or Figure 10 (SEQ ID NO:10),~~ with its associated signal peptide;

(d) an amino acid sequence of the extracellular domain of the polypeptide shown in ~~Figure 6 (SEQ ID NO:6), Figure 7 (SEQ ID NO:7), Figure 8 (SEQ ID NO:8), Figure 9 (SEQ ID NO:9), or Figure 10 (SEQ ID NO:10),~~ lacking its associated signal peptide;

(e) an amino acid sequence encoded by the nucleotide sequence shown in ~~Figure 1 (SEQ ID NO:1), Figure 2 (SEQ ID NO:2), Figure 3 (SEQ ID NO:3), Figure 4 (SEQ ID NO:4), or Figure 5 (SEQ ID NO:5);~~

(f) an amino acid sequence encoded by the full-length coding sequence of the nucleotide sequence shown in ~~Figure 1 (SEQ ID NO:1), Figure 2 (SEQ ID NO:2), Figure 3 (SEQ ID NO:3), Figure 4 (SEQ ID NO:4), or Figure 5 (SEQ ID NO:5);~~ or

(g) an amino acid sequence encoded by the full-length coding sequence of the cDNA deposited under any ATCC accession number 203127 ~~shown in Table 7.~~

2 (currently amended) The antibody of Claim 1 which binds to a polypeptide comprising:

(a) the amino acid sequence shown in ~~Figure 6 (SEQ ID NO:6), Figure 7 (SEQ ID NO:7), Figure 8 (SEQ ID NO:8), Figure 9 (SEQ ID NO:9), or Figure 10 (SEQ ID NO:10);~~

(b) the amino acid sequence shown in ~~Figure 6 (SEQ ID NO:6), Figure 7 (SEQ ID NO:7), Figure 8 (SEQ ID NO:8), Figure 9 (SEQ ID NO:9), or Figure 10 (SEQ ID NO:10),~~ lacking its associated signal peptide;

(c) an amino acid sequence of the extracellular domain of the polypeptide shown in ~~Figure 6 (SEQ ID NO:6), Figure 7 (SEQ ID NO:7), Figure 8 (SEQ ID NO:8), Figure 9 (SEQ ID NO:9), or~~ Figure 10 (SEQ ID NO:10), with its associated signal peptide;

(d) an amino acid sequence of the extracellular domain of the polypeptide shown in Figure 6 (SEQ ID NO:6), Figure 7 (SEQ ID NO:7), Figure 8 (SEQ ID NO:8), Figure 9 (SEQ ID NO:9), or Figure 10 (SEQ ID NO:10), lacking its associated signal peptide;

(e) an amino acid sequence encoded by the nucleotide sequence shown in ~~Figure 1 (SEQ ID NO:1), Figure 2 (SEQ ID NO:2), Figure 3 (SEQ ID NO:3), Figure 4 (SEQ ID NO:4), or~~ Figure 5 (SEQ ID NO:5);

(f) an amino acid sequence encoded by the full-length coding sequence of the nucleotide sequence shown in ~~Figure 1 (SEQ ID NO:1), Figure 2 (SEQ ID NO:2), Figure 3 (SEQ ID NO:3), Figure 4 (SEQ ID NO:4), or~~ Figure 5 (SEQ ID NO:5); or

(g) an amino acid sequence encoded by the full-length coding sequence of the cDNA deposited under ~~any~~ ATCC accession number 203127~~shown in Table 7.~~

3 (original) The antibody of Claim 1 which is a monoclonal antibody.

4 (original) The antibody of Claim 1 which is an antibody fragment.

5 (original) The antibody of Claim 1 which is a chimeric or a humanized antibody.

6 (original) The antibody of Claim 1 which is conjugated to a growth inhibitory agent.

7 (original) The antibody of Claim 1 which is conjugated to a cytotoxic agent.

8 (original) The antibody of Claim 7, wherein the cytotoxic agent is selected from the group consisting of toxins, antibiotics, radioactive isotopes and nucleolytic enzymes.

9 (original) The antibody of Claim 7, wherein the cytotoxic agent is a toxin.

10 (original) The antibody of Claim 9, wherein the toxin is selected from the group consisting of maytansinoid and calicheamicin.

- 11 (original) The antibody of Claim 9, wherein the toxin is a maytansinoid.
- 12 (original) The antibody of Claim 1 which is produced in bacteria.
- 13 (original) The antibody of Claim 1 which is produced in CHO cells.
- 14 (original) The antibody of Claim 1 which induces death of a cell to which it binds.
- 15 (original) The antibody of Claim 1 which is detectably labeled.